

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW120420\
 Data File : VW017563.D
 Acq On : 04 Dec 2020 18:02
 Operator : SY/VA
 Sample : L4955-06
 Misc : 5.38G/10ML/MSVOA W/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BG4K1

Quant Time: Dec 05 07:38:43 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM112420S.M
 Quant Title : VOC Analysis
 QLast Update : Sat Dec 05 07:36:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	442305	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	413222	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	187952	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	101310	17.15	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	68.60%
7) Chloroethane-d5	2.89	69	90823	18.21	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	72.84%
10) 1,1-Dichloroethene-d2	4.03	63	182678	13.89	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	55.56%
20) 2-Butanone-d5	7.08	46	59094	46.31	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	92.62%
24) Chloroform-d	7.65	84	274910	21.36	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	85.44%
26) 1,2-Dichloroethane-d4	8.31	65	139816	21.92	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	87.68%
29) Benzene-d6	8.27	84	515368	19.92	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	79.68%
33) 1,2-Dichloropropane-d6	9.27	67	155068	21.44	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	85.76%
37) Toluene-d8	10.33	98	473334	20.18	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	80.72%
38) trans-1,3-Dichloropropene-	10.58	79	62068	19.33	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	77.32%
39) 2-Hexanone-d5	10.93	63	36430	40.17	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	80.34%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	113019	21.43	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	85.72%
61) 1,2-Dichlorobenzene-d4	13.85	152	166850	23.52	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	94.08%

Target Compounds

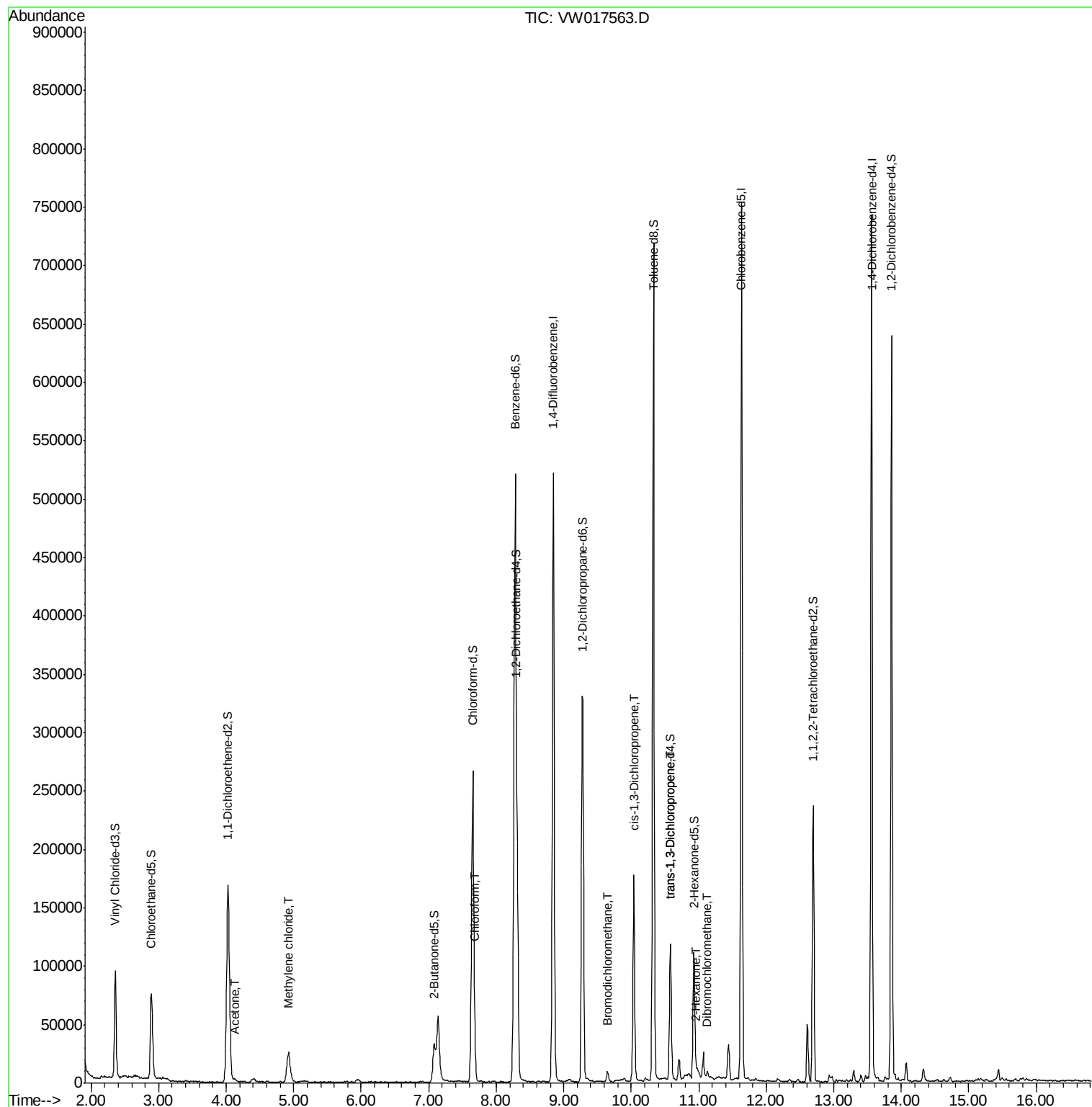
					Ovalue
13) Acetone	4.12	43	1656	1.333 ug/L	90
16) Methylene chloride	4.91	84	8581	1.287 ug/L	98
25) Chloroform	7.68	83	12909	1.140 ug/L #	72
41) Bromodichloromethane	9.65	83	5518	0.677 ug/L	85
42) cis-1,3-Dichloropropene	10.04	75	4677	0.510 ug/L #	74
45) trans-1,3-Dichloropropene	10.58	75	3276	0.415 ug/L	90
49) 2-Hexanone	10.97	43	1231	0.612 ug/L #	79
50) Dibromochloromethane	11.13	129	3099	0.562 ug/L	84

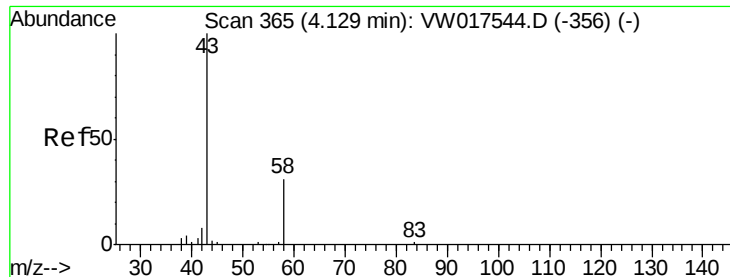
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Dec 05 07:36:07 2020
Response via : Initial Calibration





#13

Acetone

Concen: 1.333 ug/L

RT: 4.12 min Scan# 364

Delta R.T. -0.01 min

Lab File: VW017563.D

Acq: 04 Dec 2020 18:02

Instrument :

MSVOA_W

ClientSampled :

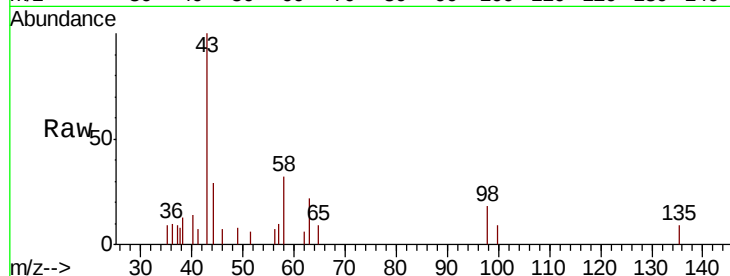
BG4K1

Tot Ion: 43 Resp: 1656

Ion Ratio Lower Upper

43 100

58 39.9 0.0 68.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

1500

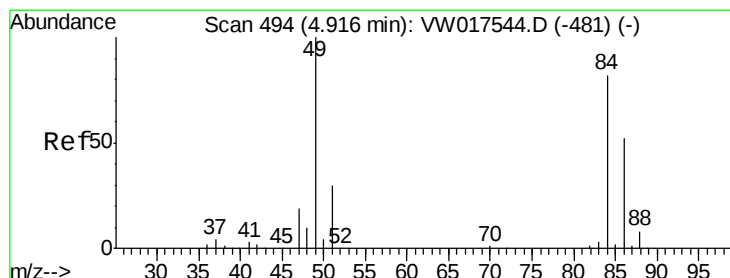
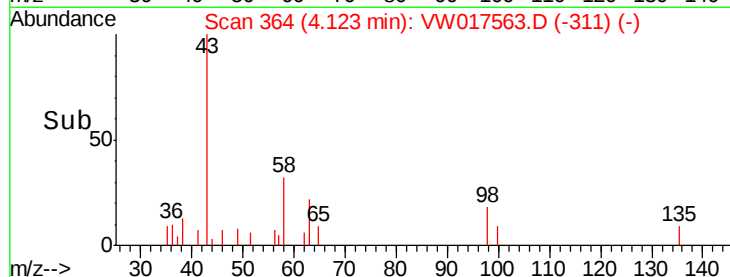
1000

500

0

4.08 4.10 4.12 4.14

Time-->



#16

Methylene chloride

Concen: 1.287 ug/L

RT: 4.91 min Scan# 493

Delta R.T. -0.01 min

Lab File: VW017563.D

Acq: 04 Dec 2020 18:02

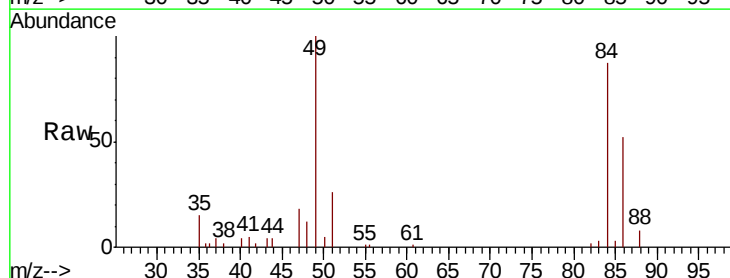
Tgt Ion: 84 Resp: 8581

Ion Ratio Lower Upper

84 100

49 115.5 81.2 150.8

86 59.7 44.5 82.7



Abundance Ion 84.00 (83.70 to 84.70): VW

Ion 49.00 (48.70 to 49.70): VW

Ion 86.00 (85.70 to 86.70): VW

10000

8000

6000

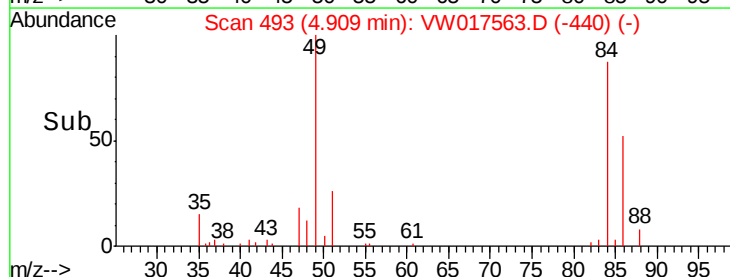
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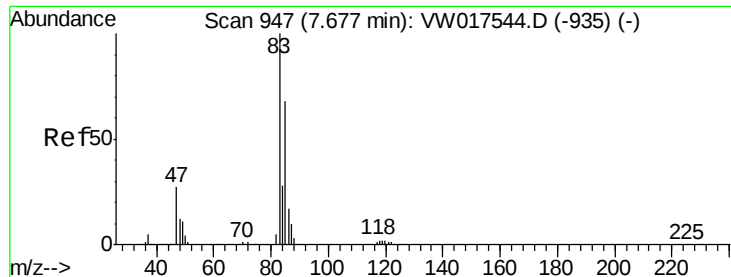
2000

0

4.85 4.90

Time-->





#25

Chloroform

Concen: 1.140 ug/L

RT: 7.68 min Scan# 948

Delta R.T. 0.01 min

Lab File: VW017563.D

Acq: 04 Dec 2020 18:02

Instrument :

MSVOA_W

ClientSampled :

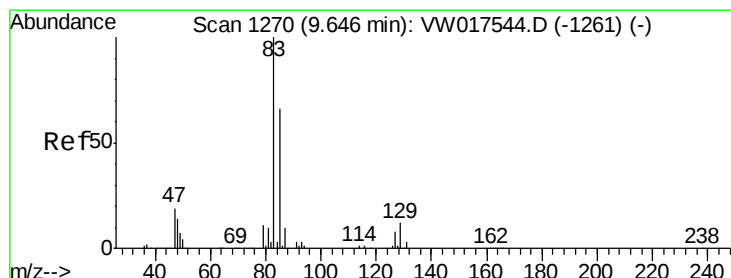
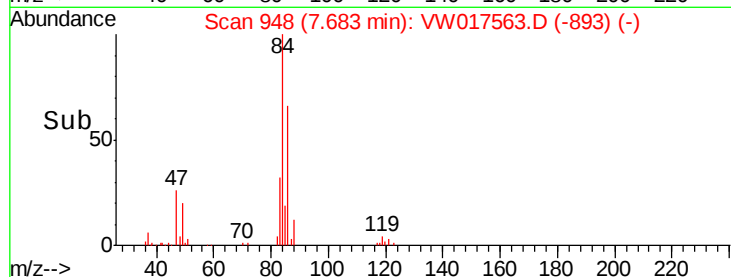
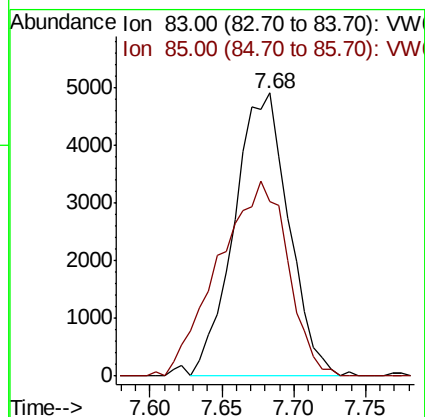
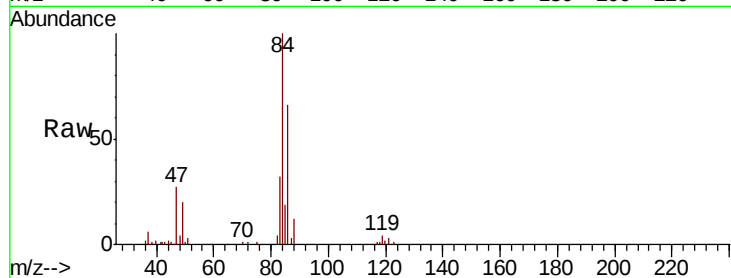
BG4K1

Tot Ion: 83 Resp: 12909

Ion Ratio Lower Upper

83 100

85 87.2 45.7 84.9#



#41

Bromodichloromethane

Concen: 0.677 ug/L

RT: 9.65 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VW017563.D

Acq: 04 Dec 2020 18:02

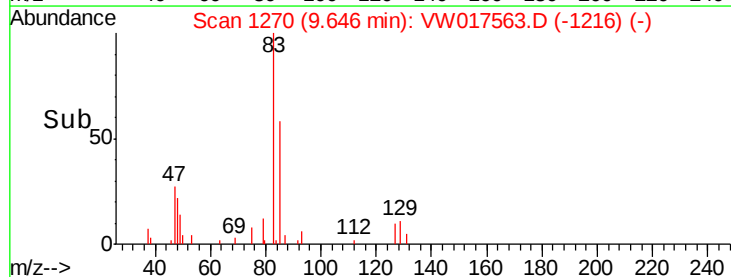
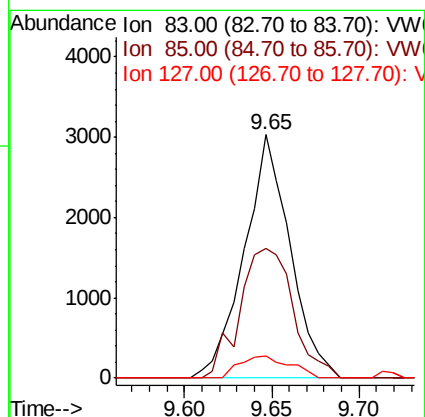
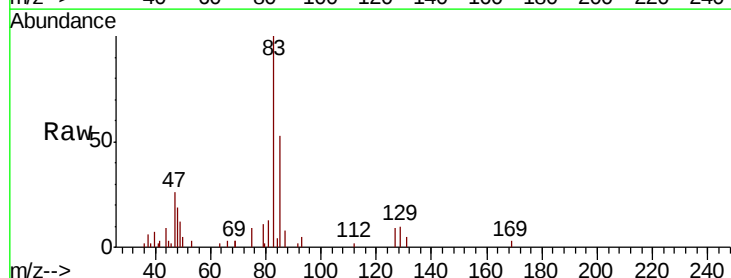
Tgt Ion: 83 Resp: 5518

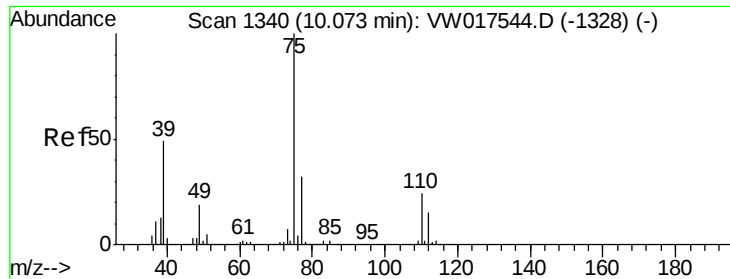
Ion Ratio Lower Upper

83 100

85 53.4 46.8 86.8

127 8.9 7.6 11.4





#42

cis-1,3-Dichloropropene

Concen: 0.510 ug/L

RT: 10.04 min Scan# 1334

Delta R.T. -0.04 min

Lab File: VW017563.D

Acq: 04 Dec 2020 18:02

Instrument :

MSVOA_W

ClientSampleId :

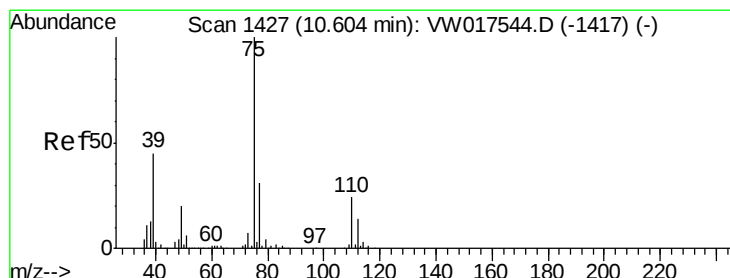
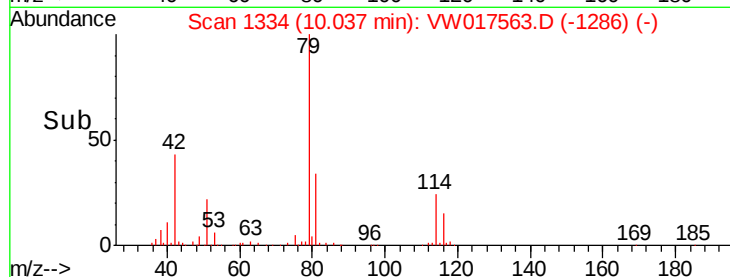
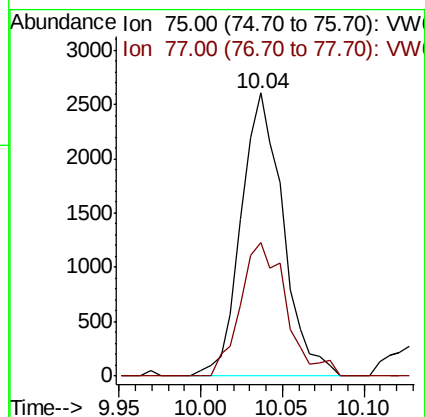
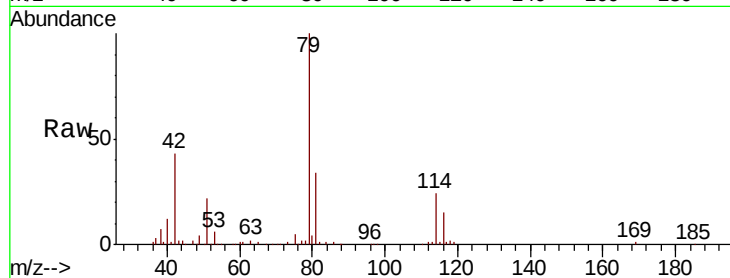
BG4K1

Tot Ion: 75 Resp: 4677

Ion Ratio Lower Upper

75 100

77 47.2 22.7 42.3#



#45

trans-1,3-Dichloropropene

Concen: 0.415 ug/L

RT: 10.58 min Scan# 1423

Delta R.T. -0.02 min

Lab File: VW017563.D

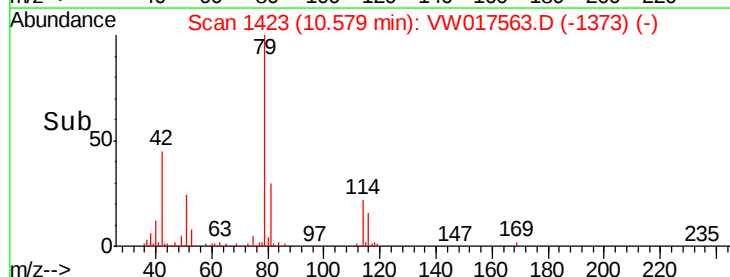
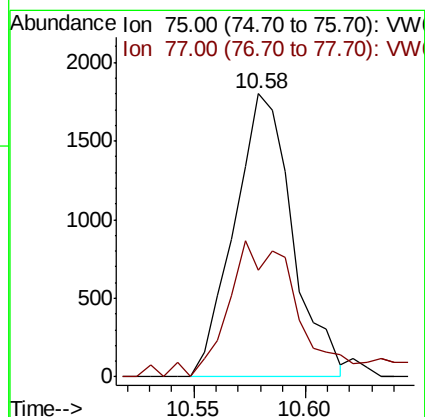
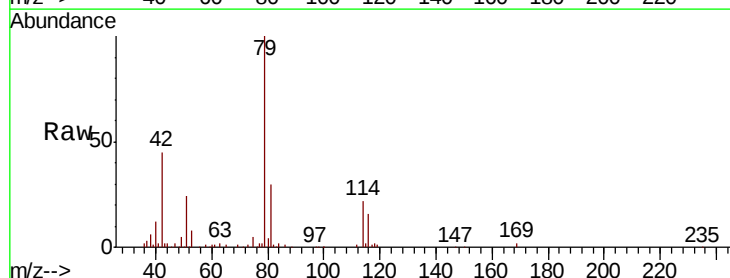
Acq: 04 Dec 2020 18:02

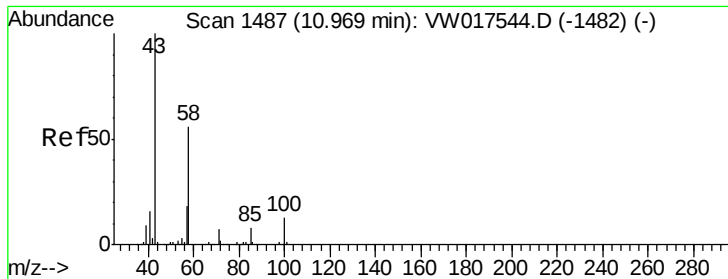
Tgt Ion: 75 Resp: 3276

Ion Ratio Lower Upper

75 100

77 37.7 22.6 42.0

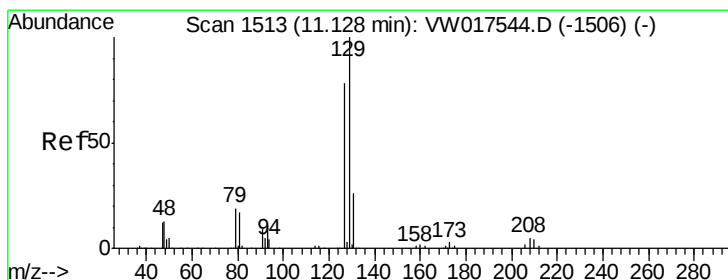
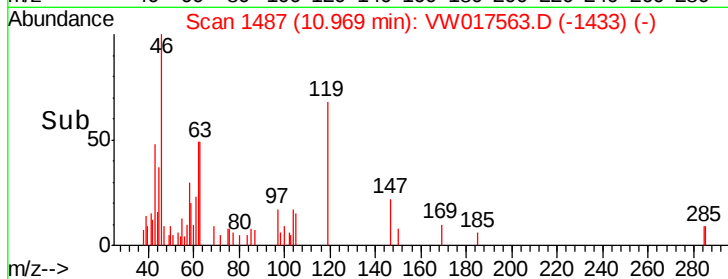
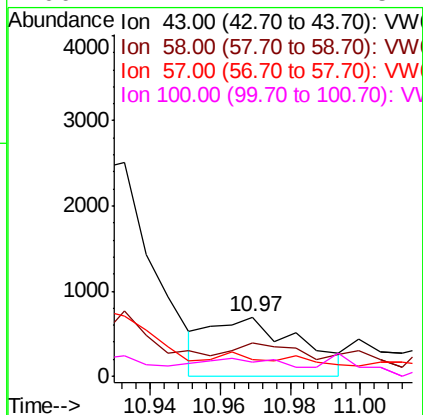
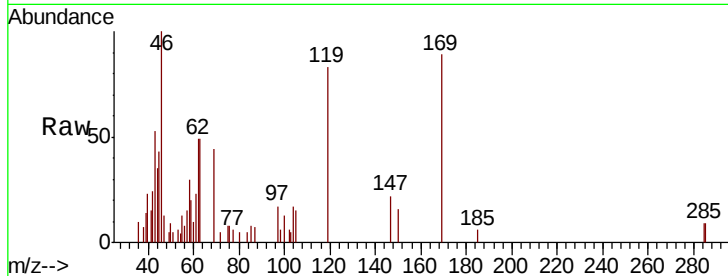




#49
2-Hexanone
Concen: 0.612 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW017563.D
Acq: 04 Dec 2020 18:02

Instrument :
MSVOA_W
ClientSampled :
BG4K1

Tot Ion	Ratio	Lower	Upper
43	100		
58	46.6	51.3	76.9#
57	25.8	15.0	22.6#
100	24.1	12.2	18.2#



#50
Dibromochloromethane
Concen: 0.562 ug/L
RT: 11.13 min Scan# 1514
Delta R.T. 0.01 min
Lab File: VW017563.D
Acq: 04 Dec 2020 18:02

Tgt Ion	Ratio	Lower	Upper
129	100		
127	62.2	53.2	98.8

